

# Database Perspectives

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# CSEWG has already committed itself to adopting results of CLEO project

- I guess that's kind of obvious

# CSEWG has unique tool for enabling A/B library comparisons

- Main ENDF library development area (“ENDF/A”) is the trunk of our subversion repository:

<https://ndclx4.bnl.gov/svn/endl/trunk/endl7>

- Creating a new library is ridiculously cheap:

```
svn cp [OLD URL] [NEW URL]
```

The whole operation takes ~ 15 sec (mostly I am a slow typist)

- I made a CIELO+ENDF development branch already:

[https://ndclx4.bnl.gov/svn/endl/branches/endl71\\_plus\\_cielo](https://ndclx4.bnl.gov/svn/endl/branches/endl71_plus_cielo)

This is soft link of “ENDF/A”, supplemented with all the CIELO evaluations I have (16O, 56Fe, 235U, 239Pu)

# Wait, how is this possible?

## Answer: subversion is like a big version controlled filesystem

trunk/

endfb7/

neutrons/  
standards/

...

branches/

endf71\_plus\_cielo/  
neutrons/  
standards/

...

tags/

ENDF-B-VII.1/

neutrons/  
standards/

...

ENDF-B-VII.1beta0/

neutrons/  
standards/

...

ENDF-B-VII.1beta1/

...

# Wait, how is this possible?

## Answer: subversion is like a big version controlled filesystem

trunk/

tags/

end

ne

st

...

branch

end

ne

standards/

...

**Copies and renames are as cheap in subversion as they are on your desktop**

beta0/

...

ENDF-B-VII.1beta1/

...

# How can we use this capability?

## ■ A/B comparisons...

- Not sure whether LANL's or ORNL's 16O performs best? make two branches & try them out
- Yes, you can do this without subversion, but you have to do your own revision management
- With subversion, you can make improvements to each branch independently and have a "performance history" of each branch

## ■ Making adjusted libraries

- "ENDF/A" is the trunk of our repository
- We copy it to the "tags" directory to release ENDF
- We can easily make a branch, do our adjustments and make a different tagged release

## ■ We can upload other libraries as well, if requested